Amendments to the Claims:

Please amend claims 35, 38, 41, 45, 56, and 59 as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-34   (canceled)

Claim 35   (currently amended) A console that can be coupled to a handpiece that has at least one transducer and a reciprocating tip that can be inserted through a tissue of a patient, comprising:

a control circuit that can be coupled to the tip and generates packets of pulses at approximately a resonant frequency of the transducer to reciprocate the tip, each packet being separated by a pause period of no pulses so that the tip operates in a non-resonant mode and does not generate heat that denatures the tissue.

Claim 36   (previously presented) The console of claim 35, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 37   (previously presented) The console of claim 36, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 38   (currently amended) A medical system, comprising:

a handpiece that has at least one transducer and a tip that can be inserted through a tissue of a patient; and,

a control circuit that is coupled to said handpiece and generates packets of pulses at approximately a resonant frequency of said transducer to reciprocate said tip, each packet being separated by a pause period of no pulses so that said tip operates in a non-resonant mode and does not generate heat that denatures the tissue.

Claim 39   (previously presented) The system of claim 38, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 40   (previously presented) The system of claim 39, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 41   (currently amended) A console that can be coupled to a handpiece that has at least one transducer and a reciprocating tip that can be inserted through a cornea of a patient, comprising:

a control circuit that be coupled to the tip and generates packets of pulses at approximately a resonant frequency of the transducer to reciprocate the tip, each packet being separated by a pause period of no pulses so that the tip operates in a non-resonant mode and does not generate heat that denatures the cornea.

Claim 42   (previously presented) The console of claim 41, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 43   (previously presented) The console of claim 42, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 44   (previously presented) The console of claim 41, wherein the temperature does not exceed 45 degrees centigrade.

Claim 45   (currently amended) A medical system, comprising:

a handpiece that has at least one transducer and a tip that can be inserted through a cornea of a patient; and,

a control circuit that is coupled to said handpiece and generates packets of pulses at approximately a resonant frequency of said transducer to reciprocate said tip, each packet being separated by a pause period of no pulses so that said tip operates in a non-resonant mode and does not generate heat that denatures the cornea.

Claim 46   (previously presented) The system of claim 45, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 47   (previously presented) The system of claim 46, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 48   (previously presented) The system of claim 45, wherein the temperature does not exceed 45 degrees centigrade.

Claims 49-55   (canceled)

Claim 56   (currently amended) A medical system, comprising:

a cutting element that can be placed in contact with a tissue of a patient;

a transducer coupled to said cutting element; and,

a control circuit that is coupled to said transducer and generates packets of pulses <u>at approximately a resonant frequency of said transducer</u> to reciprocate said cutting element, each packet being separated by a pause period of no pulses so that said tip <u>operates in a non-resonant mode and</u> does not generate heat that denatures the tissue.

Claim 57   (previously presented) The system of claim 56, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 58   (previously presented) The system of claim 57, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 59   (currently amended) A medical system, comprising:

a cutting element that can be placed in contact with a cornea of a patient;

a transducer coupled to said cutting element; and,

a control circuit that is coupled to said transducer and generates packets of pulses <u>at approximately a resonant frequency of said transducer</u> to reciprocate said cutting element, each packet being separated by a pause period of no pulses so that said tip <u>operates in a non-resonant mode and</u> does not generate heat that denatures the cornea.

Claim 60   (previously presented) The system of claim 59, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 61   (previously presented) The system of claim 60, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 62   (previously presented) The system of claim 59, wherein the temperature does not exceed 45 degrees centigrade.

Claims 63-66 (canceled)